

MAY NOW BE TOO LATE TO PREVENT RAILWAY CONTROL

Ivy Lee, Aldred Lecturer, Fears
Government Ownership May
Be Only Way Out

BLAMES RATE SCHEDULES

Likening the position of the railroads to that of a fisherman in a boat above Niagara Falls drifting rapidly toward the brink, Ivy L. Lee, public relations counsel of the Pennsylvania Railroad, Friday afternoon told upperclassmen and faculty members that only through a realization of the forces now at work will it be possible for the opponents of government ownership to prevent the railroads from becoming government owned and operated, and perhaps even now it may be too late.

Speaking as the second of the Aldred Lecturers this year, Mr. Lee discussed "The Outlook for the Railroads".

The present plight of the railroads, which has been brought about by forces more vital than the depression, has already led to certain smaller lines with an aggregate length of over 70,000 miles failing to make operating expenses and fixed charges, he said.

If it is necessary that as public utilities the government take over these small lines, it is only to be expected, said Mr. Lee, that the profitable railroads as well as the unprofitable ones will be government owned and operated.

Blames Rate Schedules

The present condition of the American railroads has been brought about in a large measure, said the speaker, by the inflexibility of the railway rate schedules and wage rates. This rigidity of two of the determining factors in the prosperity of transportation agencies is a result of decisions of the

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"Technocracy Offers No Panaceas" Says Author In T. E. N.

Harold Ward Explains Theory
In Authorized Article
In January Issue

"Technocracy offers no panaceas and indulges in no propaganda," says Harold Ward in a feature article in the January T. E. N. which goes on sale on Wednesday, entitled "Technocracy: A Problem in Thermodynamics". "Functioning solely as a research body" he explains, "it merely develops from its rigorously quantitative analysis, certain inferences regarding the actual situation."

The article, though short and not very complete, is well written, and its appearance is timely in view of the large amount of interest the theory has stirred up and the unique position in which it places the engineer. The editors explain that it has been authorized by Howard Scott who is one of the originators and now the director of the Technocracy group at Columbia.

Ward briefly sketches the startling rise of free energy available to man through the use of machinery in the last century. At the same time he points out how "for seven thousand years human societies were operated at an 'energy conversion rate' limited by the capacity of the human engine, plus domestic animals and a few primitive mechanical appliances."

It is this paradox which Technocracy seeks to solve, and its first step in that direction seems to be the abolition of the present "Price System".

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Freeman Slams "Technocracy"; Says Employment Will Readjust Itself

Denounces Use of Physical Laws In Curing of Economic Depression

"Technocracy" was the term used by Professor Ralph E. Freeman last evening when discussing the proposal of a now famous group of technologists to put the government in the hands of the scientists and engineers. Speaking at the Parish house of the Trinity Church, he attracted about a hundred members of the Young People's Fellowship.

Stating that discussion and dispute were important aspects of an economic depression, he ventured the opinion that Technocracy is based on incorrect ideas and a misconception of the role of the machine. He allowed, however, that the theory had done good in that it has made people think furiously about the true economic conditions. He stated that during a time of depression people are apt to be in a state of nervous tension and that the public mind is receptive to anyone who will look ahead and pro-

pose a plan, whether logical or not. This, according to Professor Freeman, is the reason why the project has made such an impression on the public at large, but that, like the goblins of the fairy tale, technocracy will disintegrate as soon as we have attained an economic "light of day".

States Employment Will Adjust Itself

In answer to the statement of the technocrats that unemployment would increase with the advent of more labor saving devices, he stated that those men who had formerly been employed doing what machines are now accomplishing, would gradually find work in other fields. To prove that there are other fields where employment is possible, he showed that when machines are installed, they make articles more cheaply, thus requiring less money of the consumer, and releasing additional purchasing power to be spent on luxuries.

Professor Freeman recognized the problem of transferring highly specialized labor from one field to another, but stated that, with increased

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SENIORS PREPARE FOR ANNUAL DANCE

Precautions Taken Against Crashing As 400 Tickets Are Distributed

Precautions are being taken to prevent crashing at the annual free Senior Class dance which will take place in Walker next Friday. Over four hundred tickets have been distributed, a record number for a Class affair, and the committee is fearful lest some of the tickets reach the hands of underclassmen and effect their attendance at the affair. In order to prevent any such occurrence, it was announced that only Seniors would be admitted to the hall regardless of whether or not a ticket is produced. How the men will be identified as to class was not explained, but it is believed certain members of the committee will stand at the door and identify the guests. The Committee headed by Robert M. Kimball, '33, advised all underclassmen to prevent any personal embarrassment, by refraining from attempts to crash.

With over four hundred tickets already distributed, this year's Senior dance gives promise to surpass all previous events in attendance and gayety unless those in possession of the coveted tickets should pass them on to underclassmen. According to Robert M. Kimball, '33, who is in charge of the dance, precautions have been taken so that only Seniors will be admitted at the door regardless of who holds a ticket. To prevent any personal embarrassment, undergraduates are advised not to try to crash.

Sammy Liner to Play

Sammy Liner, who has played at a number of dances in the Walker Memorial will be present with his orchestra to furnish the music. The dance, which is a formal affair, will be held in the main hall of the Walker

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PRES. COMPTON TO BE LIBERAL CLUB GUEST

President Karl T. Compton will address the Liberal Club next Thursday afternoon in Room 10-250, at a meeting to which all students are invited. The subject of his talk will be "The Scientific Approach to Social Problems". Dr. Compton is the author of recent newspaper articles on Technocracy, and it is expected that he will discuss this subject in the course of his address.

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WARREN CONDUCTS NEXT COLLOQUIUM

Pioneer Developer of Electric Clocks Will Discuss A. C. Synchronization

Mr. R. E. Warren, president of the Warren Telechron Company and pioneer in the field of electric clock manufacture, will conduct a colloquium in the department of electrical engineering today and tomorrow on "The Development of Synchronous Electric Clocks and Frequency Control for Power Systems". The discussion will take place in Room 10-275 from 3 to 5 p. m. today, and from 2 to 4 p. m. tomorrow. It is open to seniors, graduate students, junior honor students, and members of the instructing staff of the department of electrical engineering.

After outlining briefly the evolution of time keeping devices, including forms of electric clocks and clock systems, Mr. Warren will describe the invention of devices which made possible the utilization of commercial alarm purposes. Various types of synchronous motors suitable for use in clocks will be analyzed, and several kinds of gear reduction units described.

Applications of synchronous timing motors, the use of master clocks in controlling power station frequency and their effect on electric power distribution will also be discussed by Mr. Warren during the course of the colloquium.

TRANSPORTATION BUREAU ARRANGED

Students driving somewhere during the between-term vacation and desiring passengers to share expenses and driving, and students desiring to go somewhere as passengers are invited to make use of the service of the T. C. A. in this respect. The Freshman Cabinet of the T. C. A., directed by John A. Kleinhans, '36, is handling this service, and has prepared blanks to be filled out by those interested. The driver's blank contains spaces for destination, route, points enroute, date of leaving and arriving, number of passengers, and cost; while the passenger's blank in addition to other information, asks if the applicant has a license. Posters advertising this feature have been placed on the bulletin boards of the Institute.

Congress Will Decide Plans For Soph Dance

The M. I. T. Stein Song will be sung in its real atmosphere at the Sophomore Dance on February 21, if the plans of the Committee go through, and Congress decides to repeal the 18th Amendment before that date.

According to the Committee in charge of the affair, the dance will feature a cabaret setting with tables set around the dance hall, and refreshments served continually throughout the night. Ordinarily the refreshments would be the typical ones common at such affairs.

If, however, beer is legalized between now and the date of the dance, and the Institute authorities consent, foamy steins of light and dark will become the order of the evening.

HOCKEY TEAM WINS FIRST GAME FROM NORTHEASTERN 5-3

Beavers Take Two-Goal Lead In
Second Period and Are
Never Headed

JENKINS SCORES TWICE

Determined no longer to be the door mats for other college teams, the varsity hockey men came through Friday night and won a smashing victory over the Northeastern Huskies to the tune of 5 to 3, and thus avenged, at least in part, the two defeats at their hands last season. The team showed spirit in this game that has been lacking so far this season.

Daley scored in the first period after 2 minutes and 26 seconds. In the second period Ranny Thompson and Roger Williams made two counters in rapid succession, giving the Beavers the lead which they held until the end. In the final period Morton Jenkins skated his way through the Huskies to tally unassisted. Before the period was over he repeated this performance much to the joy of the few Technology supporters who were present.

Defense Functions Well

Captain Johnny Hrones and Eddie Sylvester, the new defense combination, did excellent work, both playing practically the entire game without relief. They stopped almost everything that came their way, and that which did manage to get by them was almost invariably stopped by Frank Milliken, the Institute goalie.

No sooner had the game started than Milliken was tested by two hard shots both of which he saved in his usual manner. Very soon afterward, Paul Daley whistled a shot past the Northeastern goalie. Following this marker, four men were sent to the penalty box, three of them being Engineers. However, no damage was done while they were out, and it was not until both teams were at full strength again that the Huskies managed to score their first goal. Leveron, one of the enemy defense men, carried the puck down the ice, drew out the defense and then passed out to Cahoon, who coasted in and beat Milliken with a perfect shot, thus equalizing the score.

Thompson Scores Unassisted

As the second period opened, Daley and Jenkins gave Denton, the Huskie goal-tender, some uncomfortable moments, but he handled all the shots well and nothing resulted. At this point the front lines were shifted. On the face-off, Thompson grabbed the puck and was off like a streak toward the enemy goal. Across the blue line, he let go a terrific shot, which Denton did not even see. No sooner had this score been announced, than Daley and Williams combined to carry the puck the length of the ice with Daley passing out to Williams, who converted

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Technology Squash Teams Lose Three Matches To Harvard

Varsity Blanked 5-0; Junior
Varsity Is Nosed Out
By One Game

Technology's squash teams had a busy day last Saturday when the varsity lost first to Harvard, 5-0, and then to the Harvard Business School, 3-2, and the junior varsity was defeated by Dunster House, 4-1.

The first match was the only inter-collegiate contest the varsity has played this season, and since Harvard has probably the best team in the country in collegiate circles, the result was not altogether unexpected. While not winning a match, the Engineers played fast squash all the way.

The varsity match with Harvard Business School was very close and in doubt up to the last point. Every point was closely fought for and games were decided by a point or two. Lucas, one of the best players on the team, got up out of bed, where he had been confined all week, to play in these matches.

The junior varsity match was at Dunster House and while the players put up a good battle, Newman was the only member of the team to win his match. The last two matches were held under the auspices of the Massachusetts Squash Racquets Association.

TECH SHOW CAST HOLDS REHEARSAL

A tentative selection of the cast for Tech Show has been made and the first cast rehearsal will take place tomorrow evening at 7:30 P. M., in the Faculty Dining Hall.

According to the management there are still several unfilled places on the chorus. There will be a dance rehearsal in the Walker Gym at 7:30 Wednesday evening. Any prospective chorus men are urged to be present at this rehearsal or to appear at the Tech Show office on the third floor of Walker any afternoon at 5 P. M. Rehearsals will be limited until examinations are over.

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LITTLE FROGS

IN the *Boston Globe* of Friday morning there appeared a remark to the effect that the Technology Hockey team was getting little out of their games except character building. The statement is quite true, for, up to the Northeastern victory, the team had lost four straight games, against powerful teams from larger schools with much better facilities for playing the game.

The loudly acclaimed aim of athletics here at the Institute is not to produce "world beaters" but to develop good clean sportsmen and truly amateur teams. We attempt to hold our heads high among the universities and colleges of the East. To lose continually is not only ruinous to the morale of the teams but it makes athletics at Technology lose prestige. Individuals lose interest in the sport and the managers have a hard time entering a full team. Year after year as we are administered a sound beating by the same teams, there arises on the one hand a sense of futility and on the other contempt.

It is not only the hockey team which has been trying to bite off more than it can chew. Last year the fencing team won three meets in ten, while the Boxing Team had a dreary season. The majority of these contests were with the larger schools in the East. Among them were colleges who admittedly place great emphasis upon athletics.

With the obvious disadvantages encountered by athletics, the managers continue to pit their teams against opponents far out of their class. It would be much better for our athletic standing to stay within our own little corral. As the saying goes, it's better to be "a big frog in a little puddle than a little frog in a big puddle."

THERE'S A REASON

FOR the first three months of the term the freshmen have been so busy getting acclimated to the Institute that they haven't had time to indulge in the upper class activity of panning their courses.

The criticisms are now beginning to arise, however, and when no other adequate or justifiable criticism can be found the freshman falls back on the old standby "I'll never use the stuff in this course, I'm going into such and such work when I graduate". There is great room for improvement in all courses, freshmen, but the presence of each subject in the curriculum should not be argued. The fault, if any, in that regard, lies in the lack of energetic selling on the part of the instructor of the possible uses of his course.

Whenever a freshman feels discouraged at the abstractness of a subject, he should visit his professor in his office, and ask him point blank "What good is this course? How is the knowledge obtained in it used in industry?" With a picture of its uses in his mind, his apathy may be converted to enthusiasm.

A VACANT SPOT

TENTATIVE plans for the resumption of Tech Show were presented to the Institute Committee at the last meeting. These did not include a production for the night of the Junior Prom. This seems to be a serious omission. With the plans for the Prom as they now stand, there is an intermission of several hours between the early dinner and the start of the dancing at eleven o'clock. Tech Show would do well to reconsider its plans and the Prom Committee to co-operate in including a performance to fill in the gap left in the program.

The early dinner and the late dancing schedule was prepared by the Prom Committee for the specific purpose of allowing the Promenaders to include a show in their night's festivities. In previous years entertainment has been sought outside of the Institute. This year the "Old Lady" will have her lines all rehearsed and her steps all learned and will be in prime shape. She could just slip in and do her stuff in fine style.

There is also the problem of price to consider. To leave Walker Memorial and attend a performance in Boston would cost three or four times as much as remaining at Walker and supporting the Tech Show.



Compton Says Organization Of The Modern World Has Been Increasing

Increase of Knowledge Forces Cooperation, Planning on Americans

President Compton, in an interview before the recent holidays, said that our civilization was coming into an era of increasing organization, being forced to it as the only intelligent, and in fact the only possible, way of dealing with the increasingly complex features of our modern life.

At the suggestion that organization could be overdone, President Compton explained that such was not the kind of organization he meant. He referred rather to an organization adapted to the furtherance and creation of co-ordinated and co-operative effort, and of intelligent planning.

The tendency toward such organization can be shown to be a historical development. President Compton said, "Historically we can trace a succession of social philosophies which have governed the behaviour of individuals and groups. Up until the time of the French revolution the prevalent social philosophy was domination of one group by another. Following the French revolution and the Reformation there arose a philosophy of individualism in which the rights and opportunities of the individual were given the greatest consideration. Because of the peculiar situation in America during pioneering days, this philosophy of individualism reached greater heights in America than any place else."

"Then, with increasing population this individualism gave rise to and was a certain extent supplanted by an era of competition which also reached its greatest development in America, at least in certain directions."

"Finally," President Compton concluded, "there is appearing in many directions a spirit of co-operation which has almost been forced on us as a necessity for self-preservation. This may be illustrated internationally in the league of Nation's recent attempts at peace pacts, disarmament agreements and trade agreements between groups. It is illustrated socially in the establishment of agreements between labor and capital, employers and employees, and in increasing governmental responsibility for the welfare of various social groups."

"This tendency for co-operation is markedly evident in the recent report on the organization and functioning of the medical profession. It has come even into our educational institutions in that we no longer hope to build up a strong department in any branch of learning by bringing a single outstanding professor, but rather by bringing together a well co-ordinated group of specialists."

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Open Forum

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication of any communication nor does it necessarily endorse the opinions expressed. Letters on subjects of interest to the student body are welcome if signed. However, if the writer so desires, only the initials will appear on publication.

To the Editor of THE TECH:

In the columns of THE TECH today there appeared the welcome news that the Institute has given its approval to the production of the Tech Show this spring. It is to be regretted, however, that sanction has not as yet been given to its presentation on the night of the Junior Prom. This night has always been, in the past, the 'big night' for Tech Show, and it hardly seems proper that this traditional performance of the Show should lapse with as have so many other Technology traditions.

The Junior Prom Committee has done its best to keep the blanket price ticket for the Prom within reasonable limits. The eight dollar blanket price is at least four dollars less than the tariff charged for the last Prom, and the Prom Committee is to be congratulated on attaining this low figure. I understand, however, that it is the present plan of the committee to have a theatre intermission between seven o'clock and 11:30 P. M. This will necessitate an additional expenditure on the part of those attending the Prom of at least six dollars, should they attend a performance at a theatre downtown, besides the inconvenience of going downtown and returning to Walker after the show.

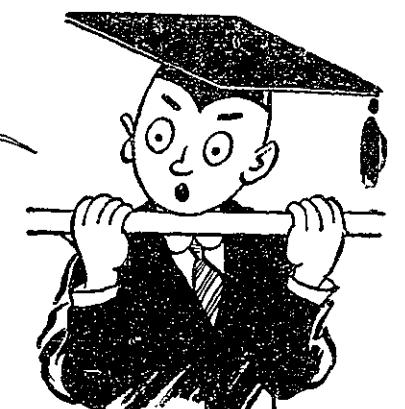
Inasmuch as the minimum cost for the evening will approach, if not exceed, that of past years, I believe that this feature will discourage a

(Continued on page three)

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A MAYOR IS A FEMALE HORSE



AND you haven't heard the half of it! The other day Bill Boner said the Sphinx were a tribe of people living in Egypt!

Won't some kind friend tell him what to do before it's too late? What he needs is a good pipe and good tobacco. Of course, the right tobacco is necessary—but that's easy. A recent investigation showed Edgeworth to be the favorite smoking tobacco at 42 out of 54 leading colleges.

We had always thought one learned to be a mathematician in this course, but evidently it is a preliminary education for Rotarians.

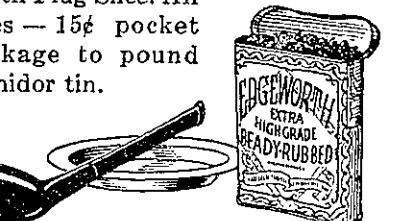
MINING SOCIETY

A meeting of the Mining and Metallurgical Society will be held Thursday afternoon at 5 o'clock in Room 8-205. No announcement of the speaker has been made.

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EDGEWORTH SMOKING TOBACCO



Engineers Trounce Brown 54 - 42

TEAM SHOWS GOOD TEAMWORK IN FAST BASKETBALL GAME

O'Brien and Shaughnessy Star In Best Showing of Team This Season

FEUSTAL ALSO PLAYS WELL Freshmen Beaten 40-34 After Running Up Lead In First Half

Playing without the services of co-captain Adam Sysko, who is ill in the infirmary, Technology's varsity basketball team defeated Brown University at Providence Saturday by the score of 54-42 in a fast and exciting game.

The game was an exhibition of good all-around playing by the Engineers, while Brown showed excellent teamwork through the game. Brown freshmen opened the evening by coming from behind in the final quarter to nose out the Technology freshmen.

Technology Starts Story

Technology started strong and within the space of a few minutes ran up ten points on some nice shooting by Tom Shaughnessy and Fred Feustal. Brown then began to pick up and through excellent teaming and good shooting on the part of Morse managed to gain the lead. At this point Tom Murphy was substituted at center for McIver, and a little later Murphy and Shaughnessy changed places.

This move seemed to stop the scoring for a while, and the playing was purely defensive until Fred Feustal made good a beautiful shot from outside the foul line. With his back to the basket, he turned around quickly and made a looping one-hand shot which went through without touching the rim. Morse of Brown immediately retaliated with a similar shot to again put Brown in the lead by three points a little later, with seven and a half minutes left to play in the first half. Tom Shaughnessy sunk a free throw and a field goal to tie the score at nineteen all. This was the turning point of the game, for the Engineers shortly sank another field goal to put them in the lead which they never relinquished. At the end of the half the score was 25-22.

Beavers Forge Ahead

With the beginning of the second half the Technology forged well ahead on several good passes and some beautiful shooting and dribbling by O'Brien. He was particularly good on free throws, sinking every one of the six attempts he made. A long pass, Feustal to O'Brien, who was free under the basket, made the score 40-27, and after this point the scoring for Technology slowed down considerably. Brown, by virtue of some excellent teamwork, managed to penetrate the strong Engineer defense, and with nine minutes left to play, another long overhand shot by Morse made the score 42-34.

Engineering Offense Fast

The Engineers showed a varied and extremely fast offense. The teamwork was considerably improved over that of the previous games, with Shaughnessy and Amenta contributing heavily in that respect. Feustal was as ever a threat whenever he got to the center.

(Continued on page four)

OPEN FORUM

(Continued from page two) good many men, who would otherwise have come to the Prom.

As is generally known, Tech Show this year is to be held in Walker Memorial with the price of tickets probably set at one dollar apiece, it would seem only natural that Tech Show should be asked to furnish the entertainment during the theater intermission.

Cordially yours,
BENJAMIN S. MALIN, '34.

VARSITY NATATORS LOSE TO WILLIAMS

Vaughan Creates New Institute Mark in 440 As Team Loses 45 - 32

One Institute record was officially broken and another one probably exceeded as Technology's varsity swimming team bowed to Williams by a 45-32 score in the third meet of the season at Williamstown on Saturday. Fred Vaughan was the official record-breaker, swimming the 440-yard freestyle in 5 minutes 39 9-10 seconds to eclipse the mark he set last year, while the medley relay combination was unofficially credited with bettering the school mark although they lost to the Williams entry.

Vaughan was off to an early lead in his record-smashing performance and was never headed, finishing twenty feet in front of his nearest competitor. He lowered the mark he achieved last winter by one-tenth of a second. His rival, Church of Williams, had beaten him in both the dual and New England meets last year, indicating Vaughan's rapid improvement.

Flanders Takes 220

Captain Lou Flanders was the only other individual winner of the Engineers, taking the 200-yard breast stroke in fast time, about two seconds slower than his own record. Henning in the 220-yard free style and Granberg in the 100-yard freestyle were the other Beaver stars, each taking a second. Captain Beatty of the winners was the meet's high scorer with two firsts to his credit.

The Institute menmen also copped the 200-yard relay, with DuRoss and Granberg piling up the lead. The next meet of the current season comes on February 11, with Brown, and is to be held at the University Club pool in Boston. Saturday's summaries:

300-yard Medley Relay—Won by Williams (Robinson, Gilfillan, Bixby); M. I. T. (Edmonds, Flanders, Vaughan) second. Time 3m. 24.7 s.

220-Yard Freestyle—Won by Beatty (W); Henning (T) second; Summers (T) third. Time 2m. 34s.

50-Yard Freestyle—Won by Whitbeck (W); Dayton (W) second; DuRoss (T) third. Time 26.1s.

Dive—Won by Blake (W); Richardson (T) second; Paige (T) third.

440-Yard Freestyle — Won by Vaughan (T); Church (W) second; Morrison (W) third. Time 5m 39.9s. (New Institute Record).

150-Yard Backstroke—Won by Robinson (W); Bixby (W) second; Edmonds (T) third. Time 1m 59.2s.

200-Yard Breaststroke — Won by Flanders (T); Gilfillan (W) second; Guitermann (W) third. Time 2m 47.5s.

100-Yard Freestyle—Won by Beatty (W); Cranberg (T) second; Caligan (T) third. Time 59.4s.

200-Yard Relay—Won by M. I. T. (Henning, Brown, DuRoss, Granberg); Williams (Tompkins, Allers, Dayton, Whitbeck) second. Time 1m 47.9s.

Y. M. C. A. OFFERS LOW RATES TO STUDENTS

Members of the Technology Christian Association have been granted a special Y. M. C. A. membership rate at the Boston Young Men's Christian Association, by vote of the Board of Managers.

Although the regular student rate, until June (five months) is nine dollars, the rate for Technology Christian Association members will be five dollars for the same period. This fee includes full recreation and health privileges with a private locker and physical examination.

Application for this special membership rate should be made at the Information Desk, Y. M. C. A., 316 Huntington Avenue, Boston. Presentation of the Technology Christian Association card will be necessary in order to obtain this special rate.

Technology Champion Squash Coach Who Will Defend Title Tomorrow



JACK SUMMERS

Summers, Squash Coach, Travels To Philadelphia To Defend Title

Will Attempt to Win Fourth Consecutive Professional Squash Racquets Championship

Jack Summers, coach of squash at Technology, will leave Tuesday for Philadelphia where he will attempt to win his fourth consecutive National Professional Squash Racquets Championship at the Penn Athletic Club. The competition is expected to be very keen, but Summers has been practising for some time against fast players and is at present in top form.

When the squash courts were built at Technology in the fall of 1926, it was found that the sport was not taking hold in the way in which it was expected. Those in charge decided that the only means of arousing an active interest in the sport was to obtain a good coach and try to turn out a good team. The selection of a coach was delayed for three years, however, because there were very few at the time who were considered suitable for the position. Finally Jack Summers was chosen.

Has Enviable Record Summers had an enviable reputation even then as a squash player. He was, at the time of his appointment the New England Professional Squash Racquets Champion, and had been engaged at the Union boat club for the past eleven years as professional coach. His training consisted of a few years with Tom Pettit, former World's Professional Court Tennis Champion and Racquets Champion; after which time he spent a year at the Harvard Clubs as assistant to Harry Cowles, who at one

ALDRED LECTURER DISCUSSES RAILROADS

(Continued from page one)

Interstate Commerce Commission and the ruling of Congress passed when the government operated the railways during the World War.

As possible measures to offset this rigidity in the railroads and the regulation under which the railroads operate because they supposedly have a monopoly market, Mr. Lee suggested that the railways be given the right to engage in transportation in all fields including water, highway and air as well as rail.

Urge Flexible Wage Rates

He further suggested that wage rates be made flexible and that schedules indicating the tariff to be charged for various classes of freight be subject to change. As a basis for the fixing of freight rates, he said that transportation charges should bear some relation to the price of the commodity.

Tremendous inroads on the traffic of the railroads have been made in recent years through the unrestricted competition furnished by busses and trucks, he said. While the railroads are still regulated as if they were operating under a monopoly, these newer competitors for the business have been allowed to grow and function with practically no restrictions.

Water Competition Growing

The competition that is offered by water transportation has grown steadily, and even now there is a public sentiment regarding water and bus transportation which brooks no good for the rail carriers, according to Mr. Lee.

This public opinion, pointed out the speaker, says in effect that the highways and rivers are the natural transportation arteries of the public and should be developed. The highway is the "poor man's way of going from place to place, free and open to all alike. The public money is spent in developing highways and rivers and canals that the public may enjoy the benefits that rightfully belong to it.

Toward the railroads there is no such feeling. They are not regarded as a part of the transportation system that should be protected. Mr. Lee said that he does not think the public should be deprived of the advantages of other forms of transportation if they are better and cheaper, but he felt that the railroads should be taken into account in a larger view of the entire transportation system of the country.

ware, 15-8, 15-8, 15-11, with a dazzling exhibition of speed and skill.

This year no one knows what is in store for Jack, but it is considered that when in shape he is the equal of anyone in the country.

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CALENDAR

Monday, January 9

12:15 P. M. — Y. M. C. A. Luncheon Meeting, North Hall.
 5:00 P. M. — Dorm Dinner Club Dinner, Faculty Dining Room.
 6:00 P. M. — Civil Engineering Society, Dinner Meeting, North Hall.

Tuesday, January 10

12:00 M. — Faculty Club Luncheon, Faculty Dining Room.
 5:00 P. M. — Banjo Club Rehearsal, East Lounge.
 5:00 P. M. — Pi Delta Epsilon Meeting, North Hall.
 5:00 P. M. — Army Ordnance Association Dinner Grill.
 5:30 P. M. — Alpha Phi Delta, Business Meeting, West Lounge.
 6:30 P. M. — Freshman Wrestling Meet, Harvard Freshmen, Hangar Gym.
 7:30 P. M. — Varsity Wrestling, Norwich, Hangar Gym.
 7:45 P. M. — Chemical Society Meeting and Smoker, Faculty Dining Room.

Wednesday, January 11

5:00 P. M. — Combined Professional Societies Meeting, Room 5-328.
 6:00 P. M. — Society of Automotive Engineers' Dinner, Faculty Dining Room.
 8:00 P. M. — Menorah Society Meeting and Dance, North Hall.

ENGINEERS BEAT BROWN IN FAST BASKETBALL GAME

(Continued from page three)

ter line, and seemed in no way hampered by unfamiliarity with the floor, as was the case with all the members of the team.

O'Brien played even better than usually, as witness the twenty points he totalled, his dribbling and work under the basket were equalled by his excellence on shots from outside the foul line and from the corners. Shaughnessy was the surprise of the game, and his scoring, coming mostly in the first half, kept the team in the running in that part of the contest.

Freshmen Start Well

The Engineer freshmen started their game by running up a considerable advantage over their rivals in the first half. Thornton was particularly good and managed to sink a number of long shots, while the Brown team usually lost the ball when it got near the basket. Toward the end of the half, however, Brown's left forward, McGovern, started to slip by the freshman defense to score. By the end of the half the score was 23-17 in the Engineer's favor.

The summary of the game follows:

M. I. T. Varsity

	Gls	Fls	Pts
Feustel, r.f.	7	1	15
Fisher, r.f.	0	0	0
O'Brien, l.f.	7	6	20
Melver, c.	0	0	0
Murphy, c.	0	0	0
Steele, c.	0	0	0
Shaughnessy, r.g.	8	1	17
Rich, r.g.	0	0	0
Amenta, l.g.	0	0	0
Oldham, l.g.	1	0	2
	16	8	54
Brown Varsity			
Phillips, l.g.	0	3	3
Sambdperil, r.g.	3	0	6
Karabah, r.g.	1	2	4
Morse, c.	9	2	20
Florin, l.f.	1	3	5
Tucker, l.f.	0	0	0
Smith, r.f.	1	0	2
Niedlinger, r.f.	0	0	0
Reed, r.f.	1	0	2
	16	10	42
Referee — Tower. Umpire — McGinnis.			

RECORD NUMBER WILL ATTEND SENIOR DANCE

(Continued from page one)

Memorial on Friday, January 13, and will last from 9 to 1 o'clock. Refreshments will be served at 11:30 o'clock. Friday and for those that failed to call on those days, another chance will be given on Thursday from 11 to 2 o'clock. As a further precaution against crashing no tickets will be available at the door.

Since all the expenses of the dance are being paid by the class treasury, Seniors are asked to co-operate in the matter of preventing crashing. Following the usual custom, officers of the Junior Class will act as ushers.

Tickets were distributed in the main lobby on Wednesday, Thursday and

COMPTON DISCUSSES MODERN ORGANIZATION

(Continued from page two)

In a final summary of his position, President Compton said, "As I see the situation our civilization itself depends on our ability to co-operate intelligently in the interests of group welfare, and that this is the most probable constructive answer to the

WRESTLERS FACE NORWICH TUESDAY

Freshmen To Meet Harvard '36 After Having Defeated Brown and Nichols

The Technology Wrestling teams will have their second matches Tuesday night in the Hangar Gym when the varsity will face Norwich University and the freshmen will meet the Harvard freshmen. The freshman team won its opening match of the season Thursday when it defeated Brown and Nichols 23-13. The freshman match will begin at 6:30.

The varsity has suffered one defeat to date, at the hands of Harvard, and it hopes to even its record against the reputedly strong Norwich team. The freshmen face their stiffest competition of the season, and they will do exceedingly well if they maintain a clear record.

The summary of the freshman meet follows:

118-lb. class—George (MIT) won over Bartlett (BN) 3:33.
 125-lb. class—Craig (MIT) won over Conant in a time advantage bout 2:32.
 135-lb. class—Creswell (MIT) won over Corwin 5:48.
 145-lb. class—Woodman Capt. (BN) won over First 1:41.
 155-lb. class—Christensen (MIT) won over Corwin 6:32.
 165-lb. class—Blackwood (BN) won time advantage bout over Henshaw 2:56.
 175-lb. class—Johnson (BN) won over Gottlieb 4:19.
 Unlimited class—Hageman (MIT) won over Blair, 4:36.

ARTICLE ON TECHNOCRACY FEATURES JANUARY T. E. N.

(Continued from page one)
 Explains Mr. Ward: "Technocracy calls attention to the fact that when human labor is being progressively supplanted by physical energy in the production of goods and services (as is peculiarly the case on this continent) a medium of exchange predicated upon human labor and utilizing units of value rather than of measurement is hopelessly inadequate."

Col. Locke Writes On Employment

Other interesting articles make this January issue probably the finest put on sale so far this term. Very timely is the article by Col. Frank L. Locke, personnel director of the Institute, who presents "The Outlook for the 1933 Senior". "This year", says the author, "the college graduate faces a cold calculating buyer's market" and he goes on to explain a rigorous self-analysis which this year's Senior should undergo in presenting himself for employment.

Other articles in the issue include "A laboratory for Practical Electronics" by Truman S. Gray in which Dr. Gray describes the new Electronics Laboratory of the Institute; "The Sun — An Engineering Masterpiece" by Dr. Donald H. Menzel of the Harvard Observatory; and "The Manufacture of Printing Ink" by Carl E. Foss. The latter article contains several very interesting illustrations in full color which is an innovation with the magazine.

problems which have recently been given considerable publicity under the name of "technocracy". This co-operation will probably come slowly and with difficulty because of our background of intense individualism".

SOUVENIR SIGN HANGS IN T. C. A.

The story behind the sign "Hindenburgstrasse" near Wallie Ross' desk in the T. C. A. office demonstrates the propensity of Americans to collect souvenirs. Edward M. Ross, Wallie's brother, went overseas in June, 1917, to serve as an ambulance driver for the French Sixty-first Army. Wallie crossed in September, 1918, and became connected with "Le Foyer du Soldat", the French equivalent of our Y. M. C. A. Anxious to see his brother, he spent several days on French trains and transport trucks and finally reached the ambulance base near Toul. Edward was quartered in a French town which had been occupied by Germany for the first two years. German signs had been placed over all the street signs, but most of them had since been removed. Wallie's sharp eyes spied this one still in place, and, wanting a souvenir of his travels, he shinned up the post and after a struggle secured his prize. Little did he realize that he would have to tote it about until August, 1919, when he returned to this country. And now . . . the sign graces a pipe in the inner sanctum of the T. C. A. office.

HOCKEY TEAM WINS FROM NORTHEASTERN

(Continued from page one)
 for the last goal of the period. Later in the session Irving and Williams were sent off for roughing.

The last period started with both teams on the offense, but nothing much was accomplished until Jenkins got his stick on the puck, in a scramble in front of the Beaver goal. He spurred the whole length of the ice, eluding the sole defenseman in his path, and with a deliberate shot parked the disk in the net.

Huskies Get Two In Final Period

This spurred the Huskies to greater efforts, and on the face-off Gallagher grabbed the puck, scooted down the ice, and passed to Cahoon, who raced around Hrones and scored the second Northeastern goal. Dingwell, who was substituted for Denton at the Northeastern goal, made a brilliant save as Captain Johnny Hrones tried to augment Technology's total. Then Jenkins broke loose again as he rifled a shot into the enemy nets which the goalie did not even touch.

From then on until the end of the game Northeastern struggled gamely, but they were too far behind. They did score another goal, but that was their last gesture, and the game ended with Technology two counters in the lead.

PROFESSOR FREEMAN HITS TECHNOCRACY THEORIES

(Continued from page one)
 free technical labor, and more efficient employment agencies, a man could very easily be put at work at one machine after having had experience in working on another type of machine for a few years, as he would have acquired a fairly broad knowledge of machines in general.

Upholds Present Credit System

Although the technocrats approve the abolition of the present credit system, Professor Freeman pointed out that great hordes of wealth have been amassed by people who are unable to use them, and that the credit system enables industry to put this wealth back into circulation. He also upheld the money system which the technocrats have denounced as being unable to show the true value of an article, and for which they propose to substitute units of energy, which are always constant. He pointed out, however, that a dollar is always 25.8 grains of gold nine-tenths fine, under any conditions, showing that the object of the dollar is to give one the relative value of goods to the consumer and the relative cost to the manufacturer, and that this condition is a healthy one as it enables the manufacturer to tell in which line he can most profitably pursue his endeavors. An article representing a million calories of energy, the speaker said, may not be worth so much as one requiring ten calories to make, if the consumer has no use for it. He thus implied that, no matter what the cost to the manufacturer, if the public wants something, it must pay for it.

In conclusion Professor Freeman said that our present economic ills have come about as a result of ignorance of basic economic laws, and not as a result of negligence of the physical laws, which have little to do with the problem.

In the open forum that followed the address, the speaker failed to condemn the principle which would make a cutlery manufacturer suppress the invention of a life time razor blade. On the other hand he seemed to feel that the manufacturer would be acting absolutely ethically and patriotically to protect his own personal business interests.

Prof. Rogers To Speak at Menorah Society Meeting

The Menorah society is holding a joint meeting and dance with the Student Teacher's Menorah Society of the Boston Teachers College on Tuesday evening January 10. Professor Robert E. Rogers will be guest speaker at the meeting which will be held in the North Hall of the Walker Memorial at 7:30 o'clock.

Following the meeting and the talk by Professor Rogers, dancing will be enjoyed by the members. Besides the members, men interested in joining the Society are also invited to attend.

FACULTY VOTES TO HOLD OPEN HOUSE

(Continued from page one)

it would be much better appreciated if it occurred only every other year. Hence it was omitted last spring, and was last held in 1931. Consequently this will be the tenth time in the history of the Institute that it has played host to the public at large.

In 1931, at the last Open House Day, there were approximately 30,000 people at the Institute on the afternoon and evening of May 2. They inspected the buildings, saw demonstrations of the latest advancements in science, viewed displays of the equipment for use in certain branches of industrial and commercial activities, witnessed the various phases of the Institute work and student activities, gained new impressions of Technology, and went away carrying new ideas of the Institute and its work.

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The Summer Session, extending from June to September includes most of the subjects given during the academic year, and in addition special courses for teachers.

Any of the following publications will be sent free upon request:
 Catalogue for the Academic Year (which includes the admission requirements).
 Summer Session Catalogue.
 Graduate Study and Research.

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